



THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Rafael L. Espinoza et al      §      CONFIRMATION No.: 5878  
SERIAL No.: 10/747,718      §      GROUP ART UNIT No.: 1754  
FILED: December 29, 2003      §      EXAMINER: Cam N. Nugyen  
§  
FOR: IMPROVED CATALYSTS FOR THE CONVERSION OF METHANE  
TO SYNTHESIS GAS

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Customer No.: 31889

Docket No. : 1856-23101 (9595.0-01)

Date: June 27, 2006

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §1.97, §1.98, Applicant is providing herewith this Information Disclosure Statement, including copies of the supplementary items listed on the attached U.S. Patent and Trademark Office PTO/SB/08a/b Forms which substitutes 1449A/B Forms. This information is supplemental to the Information Disclosure Statement and Forms PTO 1449 filed in the above-referenced case on November 3, 2004.

In accordance with the United States Patent and Trademark Office OG Notice dated August 5, 2003, waiving the requirement under 37 C.F.R. 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003, Applicant has not enclosed copies of the cited U.S. patents and/or U.S. patent application publications with this Information Disclosure Statement.

Applicant has listed publication dates on the attached PTO/SB/08a/b Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

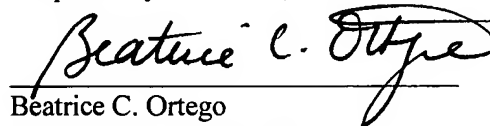
The submission of this supplemental Information Disclosure Statement and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation, that no better art exists. Applicant hereby reserves the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action.

It is submitted that the art cited does not constitute a bar to the patentability of Applicant's invention under 35 U.S.C. § 102 or § 103.

Under §1.97(b)(3), this information shall be considered if filed before the mailing of a first Office Action on the merits. Accordingly, Applicant believes that no fee is due for the filing of this Supplemental Information Disclosure Statement. Nonetheless, in the event that an Office Action on the merits dated prior to the mailing date of this Supplemental Information Disclosure Statement has been issued, please charge Deposit Account Number 16-1575 of ConocoPhillips Company, Houston, Texas, in the amount of \$180 as required by §1.17(p), so that this Information Disclosure Statement may be considered under §1.97(c).

It is respectfully requested that the attached documents be considered and officially cited in the examination of this Application.

Respectfully submitted,



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AGENT FOR APPLICANT



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Substitute for form 1449A/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/747,718		
		Filing Date	December 29, 2003		
		First Named Inventor	Rafael L. Espinoza et al		
		Group Art Unit	1754		
		Examiner Name	Cam N. Nguyen		
Sheet	1	of	2	Attorney Docket Number	1856-23101 (9595.0-01)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-3931050	01-06-1976	Asano et al	
	AB	US-3816344	06-11-1974	Shimizu et al	
	AC	US-4128506	12-05-1978	Hegedus et al	
	AD	US-4233189	11-11-1980	Gandhi et al	
	AE	US-4376724	03-15-1983	Mita et al	
	AF	US-4420420	12-13-1983	Mita et al	
	AG	US-4519951	05-28-1985	Qualeatti et al	
	AH	US-4835131	05-30-1989	DeJong	
	AI	US-5012027	04-30-1991	Abrevaya et al	
	AJ	US-5036032	07-30-1991	Iglesia et al	
	AK	US-5039643	08-13-1991	Hecht et al	
	AL	US-5352645	10-04-1994	Schwartz	
	AM	US-5597771	01-28-1997	Hu et al	
	AN	US-5851948	12-22-1998	Chuang et al	
	AO	US-5900386	05-04-1999	Freund et al	
	AP	US-6281385 B1	08-28-2001	Ruedinger et al	
	AQ	US-2002/0035033 A1	03-21-2002	Muller et al	
	AR	US-2002/0013227 A1	01-31-2002	Dindi et al	
	AS	US-2002/0115730 A1	08-22-2002	Allison et al	
	AT	US-2003/0114543 A1	06-19-2003	Zhang et al	
	AU	US-2004/0142815 A1	07-22-2004	Ramani et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	BA	GB-2 310 384 A	08-27-1997	Chinese Petroleum Co.		
	BB	GB-1 283 737 A	08-02-1972	National Distillers & Chemical Corp.		

Examiner Signature	Date Considered
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\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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<b>Substitute for form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				<b>Application Number</b>	10/747,718
				<b>Filing Date</b>	December 29, 2003
				<b>First Named Inventor</b>	Rafael L. Espinoza et al
				<b>Group Art Unit</b>	1754
				<b>Examiner Name</b>	Cam N. Nguyen
<b>Sheet</b>	2	<b>of</b>	2	<b>Attorney Docket Number</b>	1856-23101 (9595.0-01)

<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>			
<b>Examiner Initials*</b>	<b>Cite No.<sup>1</sup></b>	<b>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.</b>	<b>T<sup>2</sup></b>
	CA	HOHN, K.L. & SCHMIDT, L.D. 'Partial oxidation of methane to syngas at high space velocities over Rh-coated spheres' <i>Applied Catalysis A: General</i> , Volume 211, Issue 1, Pages 53-68 (March 2001)	
	CB	E. PELUSO ET AL 'Eggshell catalyst in Fischer-Tropsch synthesis: Intrinsic reaction kinetics' <i>Chemical Engineering Science</i> , Volume 56, Issue 4, Pages 1239-1245 (February 2001)	
	CC	CHANG, J-R & CHENG, C-H 'Catalytic Properties of Eggshell Pd/Al <sub>2</sub> O <sub>3</sub> Catalysts for Isoprene-Selective Hydrogenation: Effects of Water Poisoning' <i>Industrial &amp; Engineering Chemistry Research</i> , volume 36, issue 10, Pages 4094 - 4099 (1997)	
	CD	IGLESIA, E. ET AL 'Synthesis and Catalytic Properties of Eggshell Cobalt Catalysts for the Fischer-Tropsch Synthesis' <i>Journal of Catalysis</i> , Volume 153, Issue 1, Pages 1-196 (April 1995)	

<b>Examiner Signature</b>		<b>Dated Considered</b>	
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\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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